

Abstract of the Invention

The present invention relates to a single layer air-laid composition comprising: hollow synthetic fiber, absorbent and a binder system. The hollow fiber comprises from about 10 to about 50 percent by weight of said composition. The hollow synthetic fiber has a denier of between about 2 to about 18. The hollow synthetic fiber is selected from the class of polyolefins, polyesters, polyamides, acrylics, as well as mixtures and copolymers thereof. The absorbent comprises from about 40% to about 80% of the weight of said composition. The absorbent is a natural absorbent, or a synthetic absorbent, or a mixture of these. The natural absorbent is selected from the class of wood pulp fluff, cotton, cotton linters, and regenerated cellulose fibers, or a mixture of these. The synthetic absorbent is selected from the class of agar, pectin, guar gum, and synthetic hydrogel polymers. The binder fiber comprises from about 3 to about 15 percent by weight of said composition.